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1899

Spring Catalogue ^{AND} Price List



rumbull & Beebe

VEGETABLE AND FLOWER SEEDS

NEW AND RARE FRUITS, Etc.

**Currants, Gooseberries, Blackberries
Raspberries, Strawberries, Etc.**

Office: 419-421 SANSOME ST, San Francisco, Cal.



California Sweet Peas

All Varieties, 5c. per Packet, 10c. per oz., except where otherwise priced

	$\frac{1}{4}$ lb.	Per lb.
ALBA MAGNIFICA. Pure white.....	\$0.20	\$0.50
ALICE ECKFORD. Rich cream-tinted standard ; white wings.....	.25	.75
APPLE BLOSSOM. Bright rosy pink.....	.20	.50
AURORA. White, striped with orange.....	.25	.75
BLANCHE BURPEE. A superb, new, pure white.....	.30	1.00
BLANCHE FERRY. Pink and white ; extra early.....	.20	.50
BLUSHING BEAUTY. Soft pink, suffused with lilac.....	.20	.50
BOREATTON. Fine deep maroon.....	.20	.50
BUTTERFLY. White, edged with light blue.....	.20	.50
CAPTAIN OF THE BLUES. Purple and blue.....	.20	.50
CARDINAL. Crimson scarlet.....	.20	.50
COUNTESS OF RADNOR. Pale mauve or lavender.....	.30	1.00
COUNTESS OF SHREWSBURY. Rose standard, white wings.....	.30	1.00
COQUETTE. Delicate creamy flesh, with primrose wings.....	.30	1.00
CROWN JEWEL. Primrose ground, veined with violet rose.....	.30	1.00
CUPID. New dwarf white.....	.40	1.00
DELIGHT. White-crested, with crimson.....	.20	.50
DOROTHY TENNANT. Dark mauve ; beautiful.....	.20	.50
DUCHESS OF YORK. White, suffused with light pink.....	.20	.50
ELIZA ECKFORD. Rose standard, wings striped with rose.....	.20	.50
EMILY ECKFORD. Reddish mauve standard ; wings blue.....	.30	1.00
EMILY HENDERSON. Early ; pure white.....	.20	.50
FAIRY QUEEN. White, pink-veined.....	.20	.50
GAIETY. White standard, striped lilac, wings blush.....	.25	.75
GOLDEN GLEAM. Deep primrose yellow ; large size.....	15c. oz.	
HER MAJESTY. Deep rosy crimson ; large flowers.....	.25	.75
KATHERINE TRACY. Brilliant pink.....	.30	1.00
LADY PENZANCE. Standard, orange-pink ; wings, deep pink.....	.20	.60
LEMON QUEEN. Blush ; tinted lemon.....	.30	1.00
LOTTIE ECKFORD. Rose and white, edged with blue.....	.30	1.00
LOVELY. Dark pink, with rose wings.....	.30	1.00
MARS. Bright, fiery crimson.....	.30	1.00
MISS HUNT. Carmine salmon and soft pink.....	.20	.50
MONARCH. Standard, dark maroon ; wings, deep blue.....	.30	1.00
MRS. ECKFORD. Shaded primrose-yellow.....	15c. oz.	
MRS. GLADSTONE. Delicate soft pink ; wings, rosy blush.....	.20	.50
MRS. JOSEPH CHAMBERLAIN. White, striped with bright rose.....	.30	1.00
MRS. SANKEY. Large, pure white.....	.20	.50
ORANGE PRINCE. Orange pink, flushed with scarlet.....	.20	.50
PEACH BLOSSOM. Salmon pink standard ; wings, soft pink.....	.25	.60
PRIMA DONNA. Light pink.....	.30	1.00
PRIMROSE. Pale primrose yellow.....	.30	1.00
QUEEN OF ENGLAND. Pure white, notched at top of standard.....	.20	.50
ROYAL ROSE. Deep, rosy pink.....	.30	1.00
SENATOR. Chocolate and cream ; mottled.....	.30	1.00
STANLEY. Rich, dark maroon.....	.25	.70
THE QUEEN. Rosy pink, shaded with lavender.....	.20	.60
VENUS. Salmon-buff, shaded rosy-pink.....	.20	.60
NEW LARGE FLOWERING MIXED.....	.20	.75

:: TRUMBULL & BEEBE'S ::

CATALOGUE OF Seeds, Trees AND Plants.



THE DWARF JUNE BERRY

Is of easy culture, and is a good substitute for the Swamp Huckleberry, which it resembles in appearance and quality. The fruit is borne in clusters, reddish purple in color, changing to bluish black. In flavor it is of a mild, rich subacid, excellent as a dessert fruit or canned. It is extremely hardy, enduring the cold of the far North and the heat of summer without injury. In habit it is similar to the currant, the bushes attaining the same size, and are literally covered with fruit in June. The blossoms are quite large, are composed of fine white petals, which, with its bright, glossy, dark green foliage, renders it one of the handsomest ornamental shrubs.

PRICE—25c. each ; \$2.00 per 10.

GOLDEN MAYBERRY

Belongs to the Raspberry family, has strong, vigorous canes, branched in tree form, with fruit nicely distributed throughout their entire length. It luxuriates in the mountainous regions of Japan, and is claimed will endure the extreme cold of this country, and on account of the deep, searching system of its roots and the luxuriant foliage, it will be adapted to the hot summers and scorching climate of our Southern States, making it a valuable addition to our list of fruits where the Raspberry does not succeed, and in sections where the Raspberry is grown the Mayberry will not conflict, as it *ripens so much earlier*. Fruit is large, nearly round, and generally a beautiful, tempting, golden color, though sometimes they may be red.

PRICE—25c. each ; \$2.00 per 10.

THE HIGH BUSH CRANBERRY

Is a very ornamental fruit-bearing shrub of the Lilac family. Grows 4 to 6 feet high and produces, in abundance, berries in bunches like the Mountain Ash—about the size of cranberries, which hang on long after the leaves are gone and give it a very attractive appearance in early winter, and make an excellent sauce or jelly of an aromatic flavor, very pleasant, though entirely different from any other known fruit.

PRICE—25c. each ; \$2.00 per 10.

SALMONBERRY

The West American Mayberry ; a singularly beautiful fruit, varying in color from a clear golden yellow to an orange red ; delicious when served with sugar and cream.

PRICE—25c. each ; \$2.00 per 10.

THE STRAWBERRY-RASPBERRY

This is called the novelty of novelties, a strange and beautiful shrub or bush, with the foliage of a rose and bearing huge fruits like a strawberry, of a rosy red color, and most deliciously flavored. The bush grows after the manner of a raspberry, and commences to bloom when only a few inches high, as soon as set out, and continues to ripen fruit until late in the fall. This fruit is considered a great acquisition to the list of small fruits, and is destined to become a standard market berry, as it can be utilized for every purpose that strawberries or blackberries are used. The plant is quite hardy, and will no doubt succeed in every part of the United States, and a great sale is predicted for this new fruit this season. A native of tropical and sub-tropical Africa, Asia and Australia, ascending the Himalayas to 10,000 feet.

PRICE—25c. each ; \$2.00 for 10.

THE HUMBOLDT HUCKLEBERRY

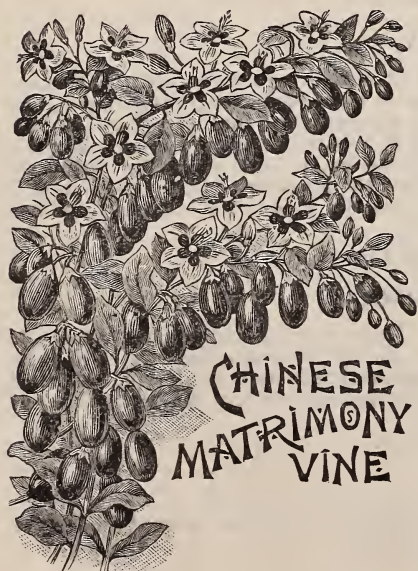
These huckleberries can be grown in a dry soil, as well as in moist, if occasionally irrigated ; it is an immense yielder, the bushes fairly breaking with heavy loads of fruit, which is of enormous size, of a blue-black color, and a rich, delightful flavor.

PRICE—25c. each ; \$2.00 for 10.

THE TRIFOLIATE ORANGE.

(*Citrus Trifoliata*)—A new hardy orange. This is the most hardy of the orange family, and will stand the Northern climate with little or no protection, and is also desirable for pot culture. In the parks of both New York and Philadelphia it is growing luxuriantly, and blooming and fruiting profusely. It is a dwarf, of a low, symmetrical growth, with beautiful trifoliate, glossy green leaves, and an abundance of large, white, sweet-scented blossoms, larger and finer than any other variety of orange blossoms, and borne almost continually. The fruit is small, bright orange-red in color, having a peculiar flavor, of no value for eating, though it may prove useful in making a lemonade, as the fruit is as acid as a lime. The fine appearance of the plant, with its constant habit of blooming, and showy fruit, combine to make a plant of peculiar value and beauty. It is a conspicuous and attractive object in any shrubbery or pleasure ground, pot or tub, and is best suited for open ground culture, as it is deciduous and drops its leaves in the fall, and cannot be induced to make much growth in winter, even in a greenhouse, though it will not drop its leaves if kept from frost. It blooms very profusely in spring and early summer, but after the fruit begins to form blossoms are not plentiful.

Plants, 10 to 12 inches in height, 25c. each ; 10 for \$2.00.



THE HARDY CHINESE MATRIMONY VINE.

(*Lycium Chinense*)—As described by Peter Henderson : The old-fashioned Matrimony Vine was a general favorite more than fifty years ago, but in beauty of flower, fruit and foliage it cannot compare with this superb variety. It is a most vigorous hardy climbing plant when trained to an arbor, or in any location where a hardy vigorous climber is desired. It sends out numerous side branches, so that it covers a great amount of space in a short time, and every new growth is at once covered with bright purple flowers, which are succeeded by brilliant scarlet berries nearly an inch long, every branch being loaded with them ; the contrast between the glossy, dark green foliage and shining scarlet fruit is extremely beautiful, surpassing Holly in appearance. It continues flowering and new berries are forming from late spring until frost. The berries ripen in early autumn and remain on the vine late into the winter. It will grow and thrive in any situation, either shade or bright sunlight, and will take root in any soil ; in fact, nature has given it all the essentials for wide popularity.

Price, young plants (which will bloom and fruit abundantly this year), 25c. each.



Eleagnus Longipes—A handsome, shapely, silver leaved shrub, with ornamental reddish brown bark in winter; perfectly hardy and easy to grow. Bright yellow flowers in June on long stalks, but the greatest value of the shrub is in the fruit which is produced in the greatest abundance along the whole length of the branches, oval in shape and about one-half inch long; color, deep orange-red, very showy and attractive. One of the most valuable ornamental berry bearing shrubs, and should be largely planted. Each, 50c.

BLACKBERRIES

Plant in good soil, in rows 5 to 6 feet apart, and 3 or 4 feet apart in the row. After the fruiting season, or in early spring, cut out all the dead wood. Blackberries should be planted early, before the buds start. A good top dressing of stable manure, applied annually, will be conducive to large crops. Keep the ground clean.

Crandall's Early—This berry was brought from Texas some years ago. It is not only an excellent berry and prolific bearer, but is found to ripen three weeks earlier than the Lawton, and to continue to bloom and bear fruit until late in the fall. It produces often good, ripe, well developed berries as late as the last days of December. The berry is as large as the Lawton, fine flavor, firm and solid. It is an excellent shipper. Each, 10c.; 10 for 50c.; 100 for \$3.00; 1,000 for \$15.00.

Dorchester—An old, excellent variety. Fruit large, oblong, conic, of deep shining black; sweet, high flavored. Very hardy and vigorous. 10c.; 10 for 50c.

Eldorado—Vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. The berries are large, jet black, borne in large clusters, and ripen well together; they are very sweet, melting and pleasing to the taste, have no hard core, and keep eight or ten days after picking with quality unimpaired. One of the best for either home use or market. Each, 15c.; 10 for \$1.00.

Erie—Very productive of berries of the largest size, coal black, firm and solid, and sells in the market at highest prices; fine form, and ripens early. 10c. each; 10 for 50c.; \$3.00 per 100.

BLACKBERRIES—Continued



Kittatinny Blackberry

ing qualities. The bush is upright branched and strong, but does not sucker like most blackberries, producing its plants from tips, like dewberries, though a true blackberry in other respects. Season early; good, uniformly large berry, of the best quality; worthy a trial everywhere. Each, 15c.; 10 for \$1.00.

Wilson's Early—A hardy, productive sort; very large and early. Each, 10c.; 10 for 50c.; 100 for \$2.00.

Wilson Junior—A seedling of Wilson's Early; larger, earlier and better than its parent. Each, 10c.; 10 for 50c.; 100, \$4.00.

Evergreen—Introduced here from Oregon; origin unknown; beautiful, cut-leaved foliage, which it retains during the winter; berries large, black, sweet, rich and delicious. It continues to ripen from July to November, which makes it one of the best berries for family use. Each, 10c.; 10 for 75c.; 100 for \$5.00.

Jordan—A new berry from Texas. The plants are remarkable for hardiness and vigor and are free from rust. The berry is large, mostly globular. The drupes composing the berry are large, quite firm, though juicy. The flavor should be described as rather sweet than sour. This will prove a more desirable berry than many of the older standard sorts for either home or market purposes. Late. Each, 15c.; 10 for \$1.00.

Kittatinny—Fruit large, roundish, conical; rich, glossy black; firm, juicy, sweet and excellent; the variety almost exclusively planted in this vicinity for market. Each, 10c.; 10 for 50c.; 100 for \$2.00.

Lawton—Fruit large; ripens late; very productive. Each, 10c.; 10 for 50c.; 100 for \$2.00; per 1,000, \$10.00.

Child's Everbearing Tree—The most robust of all the blackberries, the canes growing straight and erect and branching into tree form. The berries are very large, borne in heavy clusters, clear shining black and exceedingly sweet and delicious. The canes are unusually hardy and of great productiveness, beginning to bear fruit in July and continuing for a long time. Fine for family use. 25c. each; 10 for \$2.00.

Rathbun—The Rathbun Blackberry comes from New York, where it has shown great vigor and immense bear-

RASPBERRIES

Plant in rows 5 to 6 feet apart, 2 to 4 feet apart in the row. Cut the tops off within a few inches of the ground when planted. After the fruiting season, early in the spring, cut out all the old wood which bore the last crop of fruit. Pinch the vigorous young shoots several times during the summer. They will then grow stout enough to stand without staking.

The Barter Raspberry—This berry was produced, or at least first cultivated, by Mr. William Barter, of Penryn, Placer County. It is a very large, red berry, often measuring nearly or quite an inch in diameter, round, a little flattened; frees easily from the stem, fine flavor, quite firm, and carries well. Each, 10c.; 10 for 50c.; 100 for \$2.00; 1,000 for \$15.00.

Caroline—A Yellow Cap variety; medium to large; orange red; very hardy and prolific. Each, 15c.; 10 for \$1.00; 100 for \$4.00.

RASPBERRIES—Continued

Cuthbert (Queen of the Market)—Berries of the largest size; very firm; deep rich crimson, very handsome; flavor excellent; strong, vigorous grower; one of the very best for market. Each, 10c.; 10 for 50c.; 100 for \$2.00; \$1,000 for \$12.00.

Gladstone Everbearing—We are highly pleased with this sort, as it gives marvelous results in California. It is a great yielder; fruit is of large size; a bright, reddish purple in color, and it possesses a magnificent flavor. It yields a heavy crop in early spring, and again in the fall. Each, 25c.; 10 for \$2.00.

First and Best—This variety is widely different from all other raspberries, because the fruit buds spring direct from the old wood; whereas in all other varieties of red raspberries the old plant first makes a new growth before any fruit buds appear. In the very earliest of spring the First and Best is ready to bloom—long before strawberries are in bloom in many places. If the first blossoms are killed by frost, a new crop of bloom immediately appears, and if this one gets killed, another burst of bloom will spring forth, so that practically you will always get a crop, even if killed half a dozen times. This most remarkable raspberry ripens with the earliest strawberries, and in some sections we believe it will ripen before. It is a very productive sort, of a clear, bright red color, good size, and possesses an exquisite flavor. Each, 25c.; 10 for \$2.00.



Hansell—A new variety; medium to large; bright crimson; firm, fine flavor; canes vigorous, hardy and productive; earliest of all. Each, 10c.; 10 for 50c.; 100 for \$2.00; 1,000 for \$12.00.

King—A new seedling from Ohio which has been carefully tested. Its points of superiority are vigor of growth, large fruit, beautiful rich dark crimson color, good quality and marvelous productiveness and hardiness, enduring winters without protection and without injury to the very tips. It stands shipping the best of any variety, and will remain on bushes the longest without injury. One of the earliest. Each, 25c.; 10 for \$2.00.

Loudon—This Raspberry ripens moderately early, and holds out very late; it is highly productive, claiming to exceed all other red Raspberries in this respect. Firm as any other Raspberry, a good shipper; large, of superior quality, and an attractive crimson color. The bush is thornless and hardy. Each, 25c.

Columbian—This variety is a seedling of the Cuthbert, believed to be a cross with Gregg. Foliage light green and healthy. Propagates from the tips. Very hardy, enduring 28° below zero without harm. Fruit very large, often an inch in diameter; color dark red, bordering on purple; a most delicious table berry. Each, 25c.; 10 for \$2.00.

Miller Red Raspberry—The bush is a stout, healthy, vigorous grower, not quite so tall as Cuthbert, but rather more stocky and dwarfish. It is well calculated to hold up the immense crops of fruit with which it loads itself. Berry is as large as Cuthbert, holding its size to the end of the season; round in shape; color bright red, does not fade, but will hold its color after shipment longer than any other red variety. It does not seem particular as to soil, having been fruited on light, sandy, gravelly and heavy clay soils with equal success. Each, 25c.; 10 for \$2.00.

Thompson—Large, oblong; crimson; moderately firm, juicy, subacid, good flavor; an abundant bearer; one of the best. Each, 10c.; 10 for 50c.

Turner—Red berries; ripens with Brandywine and about 5 days after Hansel; of medium size; highly productive when not too much crowded with suckers. Each, 10c.; 10 for 50c.

RASPBERRIES—Continued

BLACK CAP VARIETIES

PRICE :—Each, 10c.; 10 for 75c.; 100 for \$4.00.

Cumberland—This newest of all Black Caps is an unusually strong grower, productive of enormously large berries, elongated somewhat like a blackberry, making it distinct from any other variety. *A wonder of size and beauty*; quality similar to Gregg, ripens in midseason and is worthy of trial by every fruit-grower in the land.

Eureka—A new Black Cap that is very well recommended. Exceeds the Palmer in size and productiveness, and ripens as early.

Gregg—One of the most valuable varieties of the Black Cap family; fruit larger than Mammoth Cluster; ripens some days later; hardy, vigorous grower, and great bearer.

Mammoth Cluster—Large and very productive; of the Black Cap quality; good.

Munger—The fruit of Munger ripens when most other Raspberries are gone, 5 to 8 days later than Gregg. It is black, and resembles Gregg very much. It is a better flavored berry, tougher in texture, and therefore a better shipper. In size it excels Gregg by almost 25 per cent., being extra fine for canning and evaporating, and it has a special faculty of withstanding drought and hot sun.

GOOSEBERRIES—AMERICAN

Downing—Fruit roundish oval; whitish green, with red veins distinct; skin smooth; excellent. Each, 20c.; 10 for \$1.50; \$100 for \$10.00.

Houghton's Seedling—Vigorous grower, abundant bearer; fruit of medium size; pale red; sweet and juicy; free from mildew. Each, 10c.; 10 for 75c.; 100 for \$6.00.

New Hybrid Gooseberry Pearl—A new white variety which we consider firstclass. Fruit large, perfectly hardy, a good grower and unusually free from mildew. Has been well tested over a wide extent of territory with satisfactory results. One of the best for home use and market. Price, 25c. each; \$2.00 for 10.

The Logan Berry (Raspberry-Blackberry)—A seedling from the Aughinbaugh Blackberry, a wild variety, pistillate, of California, crossed or fertilized by pollen of the Red Antwerp Raspberry. The plants are described as unlike either the Raspberry or Blackberry, and are of low growing habit, more like the Dewberry, of very large, strong canes or vines, without thorns, but have very fine soft spines like those found on Raspberry plants; leaves of deep green color, coarse and thick, more like those of the Raspberry than Blackberry. The fruit is as large as the largest size Blackberry, is of the same shape, with globules similar to that fruit; color, when fully ripe, a dark rich red. It partakes of both the flavors of the Raspberry and Blackberry, being a combination of the two mixed, a very pleasant, mild, vinous flavor, delightful to the taste, not found in any other fruit, but peculiar to this alone. Price, 25c. each; 10 for \$2.00; 100 for \$15.00.



The Logan Berry, Raspberry-Blackberry

GOOSEBERRIES—ENGLISH—Continued

Berkeley—(Dwinelle, Kelsey, New French)—Under all these names this variety has been introduced here. It has been sufficiently tried to determine its qualities and characteristics; it is immensely prolific, large and handsome; ripens early; was never known to mildew enough to injure the crop; always commanding the highest market price. Each, 10c.; 10 for 75c.; 100 for \$6.00.

Champion—A new variety, introduced here from Oregon, where it originated; fruit large, round; immense bearer, and entirely free from mildew. Each, 15c.; 10 for \$1.00; 100 for \$8.00.

Industry—This is said to be the best English gooseberry yet introduced. It is of vigorous, upright growth, a great cropper, and as yet has shown no signs of mildew. The berries are of the largest size; dark red and hairy; rich and agreeable. Each, 25c.; 10 for \$2.00; 100 for \$18.00.

DEWBERRY

Austin Improved Dewberry—A new berry from Texas, that has been tested several years. We note the following good points: *Surpasses in productiveness anything ever seen in Blackberry or Dewberry.* It is of a glossy, shining black color; its very appearance has a tempting effect on those who see it. Its flavor is most excellent; when fully ripe it will melt in your mouth most pleasantly. Has the hardy character common to the Dewberry family. Each, 25c.; 10 for \$2.00.

Lucretia—A trailing variety of the blackberry, producing an abundance of large, glossy, black, handsome fruit, of excellent quality. The fruit ripens early, and the plant does not sucker. Price, each, 15c.; 10 for \$1.00; 100 for \$4.00.

JAPANESE WINEBERRY

This berry belongs to the Raspberry family, is a strong, vigorous grower, and is perfectly hardy in all positions without protection. It is in fact more hardy and vigorous than any raspberry or blackberry. It stands alike cold and heat, without the slightest degree of injury. Its leaves are of the darkest green outside, and silvery white underneath. The young shoots and branches are covered with a reddish brown hair or moss. The fruit is borne in large clusters, often 75 to 100 berries in a bunch. These berries are, from the time of formation and bloom until they ripen, enclosed in a "burr," which is formed by the calyx covering them entirely. When ripe the burr opens, exhibiting a large berry of the brightest, light, glossy scarlet, or sherry wine color. The burrs and stems are covered with a heavy reddish moss like a Moss Rose bud. The flavor of the fruit is entirely different from any other berry, being very sprightly, sweet and juicy, having no disagreeable sour, but a delicate and luscious flavor peculiar to itself, and superior to other berries. Strong plants, 15c. each; 8 plants for \$1.00; by mail post-paid.



Japanese Wineberry

RASPBERRY-DEWBERRY

Queen of the Pacific—This new and unique berry seems destined to become one of our most useful fruits. Vine is much like the Dewberry, but the fruit partakes of the character of both Raspberry and Dewberry. The berry is quite as large as the Dewberry, of a reddish-black color; it is of a most deliciously sweet and high flavor, of the Logan Berry type, but sweeter and better in flavor, and ripens earlier—*begins with strawberries*—and can be used for every purpose that the Raspberry is put to. A rapid grower and heavy bearer; 300 good berries have been counted on a single cane 5 feet long. This new and choice fruit will command high prices on account of its early ripening season, its great beauty and delicate wild flavor. Each, 25c.; 10 for \$2.00.

CRUNELLS

Claimed to be a cross between the gooseberry and currant, and free from mildew, rust, worms and thorns. Plant an upright, healthy, clean, vigorous grower, resembling Crandall currant in foliage and growth—never affected in the least by mildew or rust, and without thorns. The 1 year old wood shows a fine hairy spine, which is removed by shedding the outer bark or skin at 2 years old, leaving the canes perfectly smooth and spineless and giving much the appearance of a currant bush. The fruit, which resembles the gooseberry probably more than the currant, is produced in clusters of three to five and ten berries each, and at every bud of the branch, making an immense weight of fruit. The fruit to eat out of hand when ripe is good, having a peculiar, pleasant flavor of its own, distinct from either the gooseberry or currant, and served as jelly, jam or in pies is delicious. 25c. each.

THE DWARF ROCKY MOUNTAIN CHERRY

The fruit is jet black when ripe, and in size averages somewhat larger than the English Morello, season of ripening being after all others are gone. In flavor it is akin to the sweet cherries, and when fully ripe, for preserves or to eat out of hand, it has no equal in the line of pitted fruits. It has the best system of roots of any shrub or tree we have ever planted, which accounts for the wonderful productiveness of plants at such an early age. It bears every year and is as prolific as a currant bush. Grows to height of four feet, and has never been affected by insects, black knot or other disease. In addition to its immense productiveness of luscious fruits, valuable for pies, sauce or for market purposes, it makes a handsome flowering bush with its mass of pure white flowers. Price, two years, 2 to 2½ feet, 50c. each; \$4.00 per 10.

CURRANTS

Currants and Gooseberries should be planted on good soil, which must be kept rich and well worked. Trim out the old wood as soon as it begins to decline, and shorten all the young shoots, to keep the bushes in good shape. Sprinkle ashes around the roots occasionally, to keep the borers away.

PRICE:—Each, 10c.; 10 for 75c.; 100 for \$4.00; except Fay's Prolific.

Cherry—The largest and best of all the red currants; plants are vigorous growers, and very productive.

Fay's Prolific—A new currant for which much is claimed; said to be fully as large as the Cherry; more uniform; fruit less acid; fully as productive, and earlier. Each, 15c.; 10 for \$1.00; 100 for \$7.00.

Black Naples—Very fine and large, black; valuable for jams and jellies.

Lee's Prolific—An English currant of great value, where Black currant succeeds; fruit large and of fine quality; good grower.

White Dutch—A well-known white variety; vigorous and productive.

White Grape—Bunches and berries large; whitish-yellow; sweet and good flavor.

New Currant Pomona—Pomona, while not the largest, is of good size. It is a beautiful, clear bright, almost transparent red; has but few and small seeds. Easily picked, hangs a long time after ripe, and is one of the best to hold up in shipping or on market. A vigorous grower, healthy and hardy, the most productive, one of the sweetest and best in quality, continues longest in profitable bearing, retains its foliage, hangs on bush in good condition the longest, comes into bearing early, is easily and cheaply picked. Holds an unparalleled record for actual acreage yield in ordinary field culture for over eighteen years, only one crop failure in that time. Price, 25c. each; \$2.00 per 10.

AMERICAN GRAPES

PRICE:—20c. each; \$1.50 per 10.

This class of grapes can be recommended for localities where the severe winters, late and early frosts prevent the finer foreign varieties from coming to perfection. These are also better suited for arbor and trellis growing. They all have a peculiar musky flavor.

Catawba—Large coppery red berries, with a rich, vinous, musky flavor; the great wine grape of Ohio and Kentucky.

Concord—A large, handsome grape, ripening a week or two earlier than the Isabella; is very hardy and productive, and one of the most popular of native market grapes.

Champion—Large, handsome black grape; bunches compact; berries round, sweet and pleasant; very early, hardy and productive.

Delaware—Bunches and berries small, the finest flavored American grape.

Elvira—Medium, round, pale green with white bloom; sweet, very tender and juicy; fine flavor. Most vigorous, eminently productive.

Empire State—A new variety, with long bunches of medium-sized roundish berries; color white, slightly tinged with yellow; flesh tender, juicy, sweet, sprightly.



AMERICAN GRAPES—Continued

Campbell's Early—Almost every vineyardist knows of that veteran horticulturist, Geo. W. Campbell, who has devoted a large share of his life to the improvement of the Grape. For many years he has been endeavoring to produce a variety equal to or better than Concord, with its faults eliminated. Thousands of cross-bred seedlings have been produced, many of exceptional merit, but all vigorously excluded that did not come up to his high standard. Campbell's Early, after years of testing, is offered, confident that it will prove superior in all important respects to any other now known, for general planting in all sections where any of our hardy, native varieties can be successfully grown. Its strong, hardy, vigorous growth; thick, heavy, perfectly healthy foliage; very early ripening and abundant bearing of large and handsome clusters of excellent quality, combined with the most remarkable keeping and shipping qualities, form a combination equaled by no other grape. Its period of full maturity is from the middle to the last of August, according to the season, ripening with Moore's Early, but, unlike that variety, it has kept sound and perfect, both on and off the vine, for weeks after Moore's Early was decayed and gone. In dessert quality it is unrivalled by any of our present list of first early market grapes. It is, both as to cluster and berry, of large size, of a glossy black color with a beautiful blue bloom; pulp sweet and juicy; seeds small, few in number and part readily from the pulp. 25c. each; 10 for \$2.00.

Eaton—Seedling of the Concord. Bunch and berries of largest size, showy and attractive. Leaf large, thick and leathery; berries round, covered with heavy, blue bloom; pulp tender, separating freely from the seeds.

Hartford—Bunch and berries large, round, of medium quality. Very early, hardy and prolific.

Isabella—A strong growing variety, specially adapted for arbors; bunches good size, somewhat loose; berries quite large, oval, black, covered with a blue bloom; juicy, sweet and rich, with a slight musky aroma.

Moore's Diamond—Vine a vigorous grower, with large, dark, healthy foliage, which is entirely free from mildew. It is a prolific bearer, producing large, handsome, compact bunches, slightly shouldered. The color is a delicate greenish-white, with a rich yellow tinge when fully ripe; skin smooth, very few seeds, juicy and almost entirely free from pulp. Berry about the size of Concord, and adheres firmly to the stem.

Moore's Early—Probably the most valuable early grape yet produced, combining hardiness, size, beauty, quality, productiveness and earliness among its desirable qualities. Bunch large; berry large, round, black.

Niagara—Bunch large, uniform, very compact; berry large, mostly round, light, greenish-white, slightly ambered in the sun; peculiar flavor and aroma; enormously productive.

Pocklington—Bunch and berries large, when fully ripe a light golden yellow; juicy, tender, sweet, with little pulp. Vine thoroughly hardy, strong grower, free from mildew; productive. One of the most satisfactory white varieties.

Worden—A splendid large grape of the Concord type, but earlier, larger in bunch and berry, and of decidedly better quality; vine hardier than that old stand-by, and every way as healthy.

Pierce (*Isabella Regia*)—A sport from Isabella, originating some twelve years ago with Mr. J. P. Pierce of Santa Clara. The foliage is remarkably large, and the vine is an exceedingly strong grower and prolific bearer. The berries, like the leaves, are of extraordinary size, twice as large as those of its parent, black, with light bloom, and when ripe are exceedingly sweet, delicious and slightly aromatic, the pulp readily dissolving. Mr. Pierce has had it in cultivation under every condition, and it has remained constant, showing no indication of running back to the parent. Each, 20c.; 10 for \$1.50.

GRAPES—FOREIGN VARIETIES

PRICE..... Each, 10c.; 10 for 50c.; 100 for \$3.00.

FOR TABLE, RAISINS, WINE AND SHIPPING

Black Ferrar—One of the latest and most firm grapes known; will keep until February.

Black Hamburg—Berries and bunches large; one of the best grapes for general cultivation; succeeds almost everywhere.

Black Malvoisie—Bunches large and long; good for wine and table use.

Black Morocco—A large and showy grape; ripens late, and keeps well.

Cornichon—Berries very large, oblong; covered with beautiful bloom; skin rather thick and dark; a good shipping sort.

California or Mission—The well known Mission wine grape.

Emperor—Bunches large, with large, oval, rose-colored berries. One of the most valuable grapes for shipping long distances.

Flame-Colored Tokay—Bunches and berries very large, firm and sweet; valuable for market, and one of our best shipping varieties.

Golden Chasselas—A most excellent grape; bunches large, berries round, and larger than those of the C. de Fontainebleau; skin thin, amber color when fully ripe; flesh tender, delicious.

Golden Hamburg—An excellent, new, early grape; should not be allowed to hang long after it is ripe; very juicy, rich, sugary and vinous.

GRAPES—FOREIGN VARIETIES—Continued

Malaga—Bunches very large, compact, shouldered; berries yellowish green; skin thick, fleshy; an excellent shipping variety.

Muscat Hamburg—An English variety of great reputation, equal to the Black Hamburg in size and beauty, with the musky flavor of the Muscat of Alexandria.

Muscat of Alexandria—Bunches large; berries very large, oval, pale amber; flesh firm, moderately juicy, sweet and rich, fine Muscat flavor; a good raisin grape. One of the best.

Purple Damascus—A large, oval grape of fine quality.

Riparia-Resistant—1 year, \$3.00 per 100; \$20.00 per 1,000.

“ “ —2 years, \$4.00 per 100; \$25.00 per 1,000.

“ “ —16-inch cuttings, \$1.00 per 100; \$8.00 per 1,000.

“ “ —12 “ “ .75 “ 100; 6.00 “ 1,000.

Rose of Peru—Very large bunches; berries roundish, brownish black; valuable for market; one of the best.

Royal Muscadine or Chasselas de Fontainebleau—Bunches and berries large; amber colored when ripe; tender, rich and delicious; valuable for table and wine.

Sultana—Long, compact bunches; berries amber colored, seedless; make fine currants.

Thompson's Seedless—A seedless variety, resembling the Sultana in some respects, but in others much superior. Extensively grown in Sutter County, and locally known by this name.

White Sweetwater—Bunches good size, open; berries medium size, round; flesh crisp, watery, sweet, but not high flavored; the first good early grape.

Zinfandel—Bunches large; requires to hang several weeks after coloring before it is ripe. One of the most valuable grapes for wine.

Cuttings of all the leading varieties of wine and table grapes can be furnished. Orders should be sent in before January 1st, as vine pruning begins then. Prices will be given on receipt of list of varieties and quantities wanted.

PRICE LIST FRUIT TREES

	Each	10	100		Each	10
Apples, 1 year, 4 to 5 feet.....	\$.25	\$2.00	\$10.00	Persimmons, 3 to 4 feet.....	\$.35	
Pears, 1 year, 3 to 5 feet.....	.25	2.00	15.00	Orange Trees, 2 yr. buds, 3 to 4 ft.	.75	\$7.00
Cherries, 1 year, 4 to 5 feet.....	.25	2.00	15.00	Lemon “ “ “	.75	7.00
Plums, 1 year, 4 to 5 feet.....	.25	2.00	15.00	Lime “ “ “	.75	7.00
Prunes, 1 year, 4 to 5 feet.....	.25	2.00	15.00	Grape Fruit Trees, 2 yr. buds, 3		
Peaches, 1 year, 3 to 5 feet.....	.25	2.00	20.00	to 4 feet.....	.75	7.00
Nectarines, 1 year, 3 to 5 feet....	.25	2.00	20.00	Guava, 2 to 3 feet.....	.50	
Apricots, 1 year, 3 to 5 feet. ....	.25	2.00	15.00	Loquats, 2½ to 3 feet.....	.50	
Almonds, 1 year, 3 to 5 feet....	.25	2.00	15.00	Olives—Columella, 3 to 4 feet... .	.35	3.00
Quinces, 1 year, 3 to 5 feet.....	.25	2.00	15.00	“ —Mission, 3 to 4 feet.....	.35	3.00
Walnuts, S. B. S. S., 4 to 6 feet..	.35	3.00	25.00	“ —Nevadillo, 3 to 4 feet....	.35	3.00
“ “ “ 3 to 4 feet..	.25	2.00	20.00	“ —Pendulina, 3 to 4 feet... .	.35	3.00
Chestnuts—Spanish, 4 to 5 feet....	.50	4.00		“ —Picholine, 3 to 5 feet....	.35	3.00
“ —Japan, 3 to 4 feet....	.50	4.00		“ —Rubra, 3 to 4 feet.....	.35	3.00
Pecan Papershell, 2 to 3 feet....	.50			“ —Uvaria, 3 to 4 feet.....	.35	3.00

VEGETABLE ROOTS AND PLANTS

Asparagus, Connover's Colossal—A standard variety; color deep green; quality first class; spreads less than any other varieties. Grows from fifteen to thirty sprouts from a single plant. Two-year-old roots, 100, \$2.00; 1,000 \$8.00.

Asparagus, Palmetto—Mammoth size, evenness and regularity in growth and appearance. Any average bunch of fifteen roots will measure thirteen to fourteen inches in circumference. Two-year-old roots, 100, \$2.00; 1,000, \$8.00.

Artichokes—Large Green Globe. Strong two-year-old roots, per doz., \$2.00.

Artichokes, Jerusalem—At market price.

Cabbage Plants—Leading early and late varieties. Per 100, 50c.

Cauliflower Plants—Leading early and late varieties. Per 100, 75c.

Celery Plants—Per 100, 75c.

Hop Roots—Per doz., 50c.

Horse Radish Roots—Per doz., \$1.00.

Pepper Plants—Ready April 1st. Per doz., 50c.

Rhubarb Roots, Victoria—Per doz., \$1.00; per 100, \$5.00.

Tomato Plants—Ready April 1st. Per doz., 40c.; per 100, \$2.00.

VEGETABLE SEEDS



Our Prices include Postage, except on Beans, Corn, Mangel Wurzel, Sugar Beets and Peas

ARTICHOKE.

	Pkt.	Oz.	¼ Lb.	Lb.
Green Globe.....	\$.05	\$.25	\$.75	\$2.50

ASPARAGUS.

	Pkt.	Oz.	¼ Lb.	Lb.
Connover's Colossal.....	\$.05	\$.10	\$.20	\$.60
Palmetto .....	.05	.10	.20	.60

BEANS—Bush or Snap.

Black German Wax	\$.05			\$.15
Crystal White Wax.....	.05			.15
Canadian Wonder.....	.05			.15
Early Mohawk.....				Sold out.
Early China Red Eye.....	.05			.15
Early Red Valentine.....	.05			.15
Golden Wax.....	.05			.15
Henderson's Bush Lima .....	.05			.15
Long Yellow Six Week.....				Sold out.
Refugee.....	.05			.15

BEANS—Pole.

Dutch Case Knife.....	\$.05			\$.15
Horticultural or Cranberry.....	.05			.15
Kentucky Wonder .....	.05			.15
Lima, Large White.....	.05			.15
Scarlet Runner.....	.05			.15
White Creaseback.....	.05			.15

BEETS.

Crosby's Egyptian.....	\$.05	\$.10	\$.20	\$.60
Early Blood Turnip.....	.05	.10	.20	.60
Eclipse .....	.05	.10	.20	.60
Edmund's Early Blood.....	.05	.10	.20	.60
Long Blood.....	.05	.10	.20	.60

MANGEL WURZEL AND SUGAR VARIETIES.

Mammoth Long Red Mangel.....	\$.05	\$.10		\$.25
Champion Orange Globe Man- gel .....	.05	.10		.35
Golden Tankard Mangel.....	.05	.10		.30
Lane's Improved Sugar.....	.05	.10		.40
Vilmorin's Improved Sugar .....	.05	.10		.40
Wanzleben Sugar .....	.05	.10		.40

BROCCOLI.

	Pkt.	Oz.	¼ Lb.	Lb.
White Cape.....	\$.10	\$.30	\$.75	\$2.50

BRUSSELS SPROUTS.

Dwarf Improved.....	\$.05	\$.25	\$.65	\$2.00
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CABBAGE.

Early Jersey Wakefield.....	\$.05	\$.25	\$.75	\$2.50
Early York05	.15	.40	1.25
Early Winningstadt.....	.05	.15	.50	1.50
Fottler's Brunswick.....	.05	.20	.60	2.00
Early Summer.....	.05	.20	.60	2.00
All Seasons.....	.05	.20	.60	2.00
Premium Flat Dutch.....	.05	.20	.60	2.00
Large Late Drumhead.....	.05	.20	.60	2.00
Succession .....	.05	.25	.75	2.50
All-Head Early .....	.05	.25	.75	2.50
Surehead .....	.05	.25	.75	2.50
Vandergaw .....	.05	.25	.75	2.50
Marblehead Mammoth .....	.05	.20	.60	2.00
Red Dutch.....	.05	.20	.40	1.50
Drumhead Savoy (Curled)....	.05	.25	.60	2.00

CARROTS.

Danvers Half Long.....	\$.05	\$.10	\$.20	\$.70
Early French Forcing.....	.05	.15	.25	.75
Early Short Horn Stump Rooted .....	.05	.10	.20	.70
Half Long Red Stump Rooted .....	.05	.10	.20	.70
Large White Belgian.....	.05	.10	.20	.50
Long Orange.....	.05	.10	.20	.70
Oxheart .....	.05	.10	.20	.70

CAULIFLOWER.

Early Snowball.....	\$.15	\$1.25	\$4.00	\$12
Early Dwarf Erfurt.....	.15	1.25	4.00	12
Extra Early Paris.....	.05	.60	2.00	6
Early London.....	.05	.60	2.00	6
Half-Early Paris or Nonpareil .....	.05	.60	2.00	6
Veitch's Autumn Giant Late..	.05	.50	1.50	5

CELERY.

	Pkt.	Oz.	¼ Lb.	Lb.
Giant Pascal.....	\$.05	\$.20	\$.50	\$1.50
Golden Self Blanching.....	.10	.25	.75	2.50
Soup or Flavoring Celery.....				.30
Turnip Rooted.....	.05	.15	.40	1.50
White Plume.....	.05	.20	.60	2.00
White Solid.....	.05	.15	.40	1.50

CORN—Sweet or Sugar.

Black Mexican.....	\$.05			\$.15
Crosby Early Sugar.....	.05			.15
Extra Early Cory.....	.05			.15
Early Minnesota.....	.05			.15
Mammoth Sweet.....	.05			.15
Perry's Hybrid.....	.05			.15
Stowell's Evergreen.....	.05			.15

CUCUMBERS.

Early Cluster.....	\$.05	\$.15	\$.25	\$0.60
Early Frame.....	.05	.15	.25	.60
Early Russian.....	.05	.15	.25	.60
Gherkins.....	.05	.20	.35	1.25
Giant Pera.....	.05	.15	.25	.60
Improved Long Green.....	.05	.15	.25	.60
Improved White Spine.....	.05	.15	.25	.60
Nichol's Medium Green.....	.05	.15	.25	.60

CRESS.

Curled or Pepper Cress.....	\$.05	\$.10	\$.15	\$.50
Water Cress.....	.10	.50		

CORN SALAD or FETTICUS.

Large German.....	\$.05	\$.10	\$.25	\$.75
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CHERVIL.

Chervil Curled.....	\$.05	\$.15	\$.40	\$1.00
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CHICORY.

Large Rooted Madgeburgh ...	\$.05	\$.10	\$.30	\$1.00
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EGG PLANT.

Improved New York Purple..	\$.10	\$.50	\$1.25	\$4.00
Long Purple.....	.05	.25	.60	2.00

ENDIVE.

Broad Leaved.....	\$.05	\$.10	\$.30	\$1.00
Green Curled.....	.05	.10	.30	1.00

KALE.

Dwarf Green Curled Scotch...	\$.05	\$.15	\$.30	\$1.00
Tall Green Curled Scotch....	.05	.15	.30	1.00

**KOHL RABI or TURNIP-ROOTED
CABBAGE.**

Early White Vienna...	\$.05	\$.20	\$.60	\$2.00
Early Purple Vienna.....	.05	.20	.60	2.00

LEEK.

	Pkt.	Oz.	¼ Lb.	Lb.
London Broad Flag.....	\$.05	\$.15	\$.30	\$1.00

LETTUCE.

Deacon.....	\$.05	\$.15	\$.40	\$1.25
Denver Market.....	.05	.15	.40	1.25
Early Curled Silesia.....	.05	.15	.30	1.00
Early Prize-Head.....	.05	.15	.30	1.00
Early Curled Simpson W. S. .	.05	.15	.30	1.00
Early Curled Simpson B. S. .	.05	.15	.40	1.25
Grand Rapids.....	.05	.15	.30	1.00
Hubbard's Market.....	.05	.15	.30	1.00
Hanson's.....	.05	.15	.30	1.00
Large Passion.....	.05	.15	.40	1.25
Philadelphia Butter.....	.05	.15	.40	1.25
Royal Summer Cabbage.....	.05	.15	.40	1.25
Salamander.....	.05	.15	.30	1.00
Tomhannock.....	.05	.15	.30	1.00
White Paris Cos.....	.05	.15	.30	1.00
White Summer Cabbage.....	.05	.15	.30	1.00

MUSK MELONS.

Banana Cantaloupe.....	\$.05	\$.15	\$.25	\$.75
Banquet.....	.05	.15	.25	.75
Bay View.....	.05	.15	.25	.60
Baltimore.....	.05	.15	.25	.60
Emerald Gem.....	.05	.15	.25	.75
Gold Netted Gem.....	.05	.15	.25	.75
Large Yellow Cantaloupe....	.05	.15	.25	.60
Montreal Nutmeg.....	.05	.15	.25	.60
Osage.....	.05	.15	.25	.60

MUSTARD.

Black.....	\$.05			\$.15
White or Yellow.....	.05			.15

MUSHROOMS.

English Spawn.....				\$.25
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OKRA or GUMBO.

Dwarf.....	\$.05	\$.15	\$.25	\$.75
White Velvet.....	.05	.15	.25	.75

ONION.

Early Red Flat.....	\$.05	\$.20	\$.45	\$1.50
Extra Early Barletta.....	.05	.20	.60	2.00
Giant Red Rocca.....	.05	.20	.50	1.50
Giant White Tripoli.....	.05	.20	.60	2.00
Mammoth Silver King.....	.05	.20	.60	2.00
Prize Taker.....	.05	.20	.45	1.50
Queen.....	.05	.20	.60	2.00
Red Globe.....	.05	.20	.60	2.50
Red Wethersfield.....	.05	.20	.45	1.50
White Globe.....	.05	.20	.60	2.50
White Portugal or Silverskin.	.05	.20	.60	2.00
Yellow Globe Danvers.....	.05	.15	.40	1.50
Yellow Danvers.....	.05	.15	.40	1.50

PARSNIP.

Long Smooth or Hollow Crowned.....	\$.05	\$.15	\$.25	\$.60
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PARSLEY.

	Pkt.	Oz.	¼ Lb.	Lb.
Double Curled.....	\$.05	\$.15	\$.25	\$.75

PEAS.

	Lb.	100 Lbs.
American Wonder.....	\$.15	
Blue Peter.....	.15	\$ 6.00
Champion of England.....	.15	6.00
Extra Early Philadelphia.....	.15	6.00
Premium Gem.....	.15	
Stratagem. Improved.....	.15	7.00
Tall Gray Sugar.....	.25	10.00
Telephone.....	.15	6.00
Yorkshire Hero.....	.15	5.00

PEPPER.

	Pkt.	Oz.	¼ Lb.	Lb.
Chili.....	\$.05	\$.25	\$.75	\$2.50
Large Bell or Bull Nose.....	.05	.25	.75	2.50
Long Red Cayenne.....	.05	.25	.75	2.50
Ruby King.....	.05	.25	.75	2.50
Spanish Monstrous.....	.05	.25	.75	2.50
Squash or Tomato Shaped. . .	.05	.25	.75	2.50
Sweet Spanish.....	.05	.25	.75	2.50

PUMPKIN.

Cheese.....	\$.05	\$.10	\$.25	\$.75
Connecticut Field.....	.05	.10	.15	.35
Cushaw.....	.05	.15	.25	.75

RADISH.

Black Spanish.....	\$.05	\$.10	\$.20	\$.60
California Mammoth White..	.05	.10	.25	.75
Chartier.....	.05	.10	.20	.60
Early Scarlet Turnip.....	.05	.10	.20	.60
French Breakfast.....	.05	.10	.20	.60
Long Scarlet.....	.05	.10	.20	.60
Rosy Gem.....	.05	.10	.20	.60
Scarlet Olive-Shaped.....	.05	.10	.20	.60
White Strasburg.....	.05	.10	.20	.60

RHUBARB.

Linnaeus.....	\$.05	\$.15	\$.50	\$1.50
Victoria.....	.05	.15	.50	1.50

SALSIFY or VEGETABLE OYSTER.

Sandwich Island Mammoth ..	\$.05	\$.15	\$.50	\$1.50
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SPINACH.

Norfolk Savoy Leaved.....	\$.05	\$.10	\$.20	\$.50
Prickly or Winter.....	.05	.10	.20	.50
Round Thick Leaved.....	.05	.10	.20	.50

SQUASH.

	Pkt.	Oz.	¼ Lb.	Lb.
Boston Marrow.....	\$.05	\$.15	\$.25	\$.60
California Field.....	.05	.10	.15	.40
Essex Hybrid.....	.05	.15	.25	.60
Hubbard.....	.05	.15	.25	.60
Perfect Gem.....	.05	.15	.25	.60
Summer Crookneck.....	.05	.15	.25	.60
The Sibley or "Pike's Peak".	.05	.15	.40	1.00
Vegetable Marrow.....	.05	.15	.30	.75
White Bush Scallop.....	.05	.15	.25	.60
White Pine Apple.....	.05	.15	.40	1.00

TOMATOES.

Acme.....	\$.05	\$.25	\$.60	\$2.00
Conqueror.....	.05	.25	.60	2.00
Dwarf Champion.....	.25	.25	.75	2.50
Early Paragon.....	.05	.25	.60	2.00
Favorite.....	.05	.25	.60	2.00
Golden Queen.....	.05	.25	.75	2.50
Livingston Beauty.....	.05	.25	.60	2.00
Mikado.....	.05	.25	.75	2.50
Perfection.....	.05	.25	.60	2.00
Penderosa.....	.10	.35	1.25	4.00
Red Cherry.....	.05	.25	.75	2.50
Trophy.....	.05	.25	.60	2.00
Upright or Tree Tomato.....	.10	.40	1.50	5.00
Volunteer.....	.05	.25	.75	2.50
Yellow Plum.....	.05	.30	.75	2.50

TURNIPS.

Early Flat Dutch.....	\$.05	\$.10	\$.20	\$.60
Early Snowball.....	.05	.10	.25	.75
Extra Early Milan.....	.05	.10	.25	.75
Golden Ball.....	.05	.10	.20	.60
Improved American Ruta Baga	.05	.10	.20	.60
Long White Cowhorn.....	.05	.10	.20	.60
Purple Top Strap Leaf.....	.05	.10	.20	.60
Purple Top White Globe.....	.05	.10	.25	.75
White Egg.....	.05	.10	.20	.60

WATERMELONS.

Black Spanish.....	\$.05	\$.10	\$.20	\$.60
Cuban Queen.....	.05	.10	.20	.60
Dixie.....	.05	.10	.20	.60
Extra Early.....	.05	.15	.25	.75
Florida Favorite.....	.05	.10	.20	.60
Georgia Rattlesnake or Gypsy	.05	.10	.20	.60
Green and Gold.....	.05	.10	.20	.60
Hungarian Honey.....	.05	.15	.25	.75
Ice Cream.....	.05	.10	.20	.60
Kolb's Gem.....	.05	.10	.20	.60
Mammoth Iron Clad.....	.05	.10	.20	.60
New Sweetheart.....	.05	.15	.25	.75
Phenney's Early.....	.05	.10	.20	.60
Pride of Georgia.....	.05	.10	.20	.60
Seminole.....	.05	.15	.25	.75
Scaly Bark.....	.05	.10	.20	.60
White Lodi.....	.05	.10	.20	.60



California Giant Cosmos

Flower Seeds

All Flower Seeds Sent Free by Mail on
Receipt of Price

Collections of Flower Seeds

The following collections are put up by us for the convenience of purchasers who may prefer to leave the selection to us. They comprise the choicest and most beautiful favorites of the garden, and are adapted to supply an abundant succession of brilliant blossoms throughout the summer.

12 PACKETS HARDY ANNUAL FLOWER SEEDS.....	\$0.50
25 PACKETS HARDY ANNUAL FLOWER SEEDS.....	1.00
12 PACKETS CHOICE ANNUAL FLOWER SEEDS.....	1.00
25 PACKETS CHOICE ANNUAL FLOWER SEEDS.....	2.00
10 PACKETS SELECT PERENNIAL FLOWER SEEDS.....	.50
20 PACKETS SELECT PERENNIAL FLOWER SEEDS.....	1.00

	Pkt.		Pkt.
Abronia, Rosy Lilac.....	\$.05	Cacalia—Tassel Flower—Finest Mixed.....	\$.05
Acroclinium Mixed.....	.05	Calceolaria Hybrida Grandiflora, Finest Mixed.....	.25
Adlumia, or Mountain Fringe—Pink flowers..	.05	Calliopsis, or Coreopsis, Finest Mixed.....	.05
Agrostemma, Mixed.....	.05	Lanceolata, Bright Golden Yellow..	.10
Alonsoa, Mask Flower.....	.05	Canterbury Bells, Double Mixed.....	.05
Alyssum, Sweet, Pure White.....	.05	" Single " .....	.05
" Saxatile, Golden Yellow.....	.10	Candytuft, Mixed.....	.05
Amaranthus Abyssinicus.....	.05	" Purple.....	.05
" Caudatus (Love Lies Bleeding).....	.05	" White Rocket.....	.05
Anagallis, Fine Mixed.....	.10	Canary-Bird Flower, Bright Yellow.....	.10
Antirrhinum, Snapdragon, Tall, Mixed.....	.05	Canna—Indian Shot—Finest Mixed.....	.05
" " Dwarf " .....	.05	Carnation, Finest Mixed.....	.10
Adonis Autumnalis, Dark Red.....	.05	" Chabaud's Double Prize, Mixed....	.25
Ageratum, Imperial Dwarf Blue.....	.05	" Margaret, Mixed.....	.15
" " White.....	.05	Celosia—Cockscomb—Fine Mixed.....	.05
Asters, Dwarf German, Finest Mixed.....	.10	" Glasgow Prize, Dark	
" Chrysanthemum, Finest Mixed.....	.10	Crimson.....	.10
" Trauffaut's Paony-Flowered " .....	.10	Centaurea, Candidissima.....	.15
" Victoria, Finest Mixed.....	.10	" Cyanus, Corn Flower, Fine Mixed	.05
" Washington " .....	.10	" " Emperor William	
" Corcardeau or Crown, Finest Mixed....	.10	Dark Blue.....	.05
" Semples, Crimson.....	.10	Clematis, Mixed.....	.10
" " Lavender.....	.10	Chrysanthemum, Annual Varieties, Mixed....	.05
" " Pink.....	.10	Cineraria Hybrida, Choice Mixed.....	.25
" " Purple.....	.10	Clarkia, Fine Mixed.....	.05
" " White.....	.10	Clianthus Dampieri—Australian Glory Pea..	.15
" " Mixed.....	.10	Cosmos—California Giants—Choice Mixed....	.10
Aquilegia, Columbine.....	.10	" " " Pure White.....	.10
Balsam, Lady's Slipper.....	.10	" " " Pink.....	.10
" " Camellia flowered.....	.10	" Tints of Dawn.....	.10
Begonia, Tuberous—Single Mixed.....	.25	Convolvulus—Morning Glory—Tall Mixed....	
" Double " .....	.50	.....oz., \$1.15; per lb. \$1.25	.05
Bartonia, Golden Yellow.....	.05	Convolvulus—Morning Glory—Dwarf Mixed....	.05
Browallia, Finest Mixed.....	.05	Cyclamen Persicum, Choice Mixed.....	.25
Brachycome—Swan River Daisy—Blue and		Cobea Scandens, Bluish Purple.....	.10
White.....	.05	Cypress Vine, Fine Mixed.....	.10
Calendula—Pot Marigold—Meteor.....	.05	Coleus, Fine Mixed.....	.15
" " " Prince of Orange.....	.05	Daisy, Double, Fine Mixed.....	.10

	Pkt.		Pkt.
Datura—Trumpet Flower.....	\$.10	Enothera, Evening Primrose.....	\$.10
Dahlia, Double, Fine Mixed.....	.10		
“ Single, “ “.....	.10	Pansy, Fancy Mixed, Extra.....	.50
Dianthus—Chinese Pink—Fine Mixed.....	.10	“ Emperor William.....	.10
“ Imperial “ Double, Fine Mixed.....	.10	“ Odier or Blotched.....	.25
“ Japan “ “ “.....	.10	“ Lord Beaconsfield.....	.10
“ Laciniatus Pink “ “ “.....	.10	“ Trimardeau, or Giants.....	.15
Digitalis—Foxglove.....	.05	“ Snow Queen, Satiny White.....	.10
Eschscholtzia — California Poppy — Golden		“ Faust, Coal Black.....	.10
Yellow.....	.05	“ Yellow, Pure Golden Yellow.....	.10
Gaillardia, Mixed, Crimson and Yellow.....	.05	“ Fine Mixed.....oz., \$1.00	.10
“ Lorenziana, Double Mixed.....	.10	Passion Flower, Crimson.....	.10
Geranium, Choice Mixed.....	.10	Portulaca, Single, Choice Mixed.....	.05
Gilia, Fine Mixed.....	.05	“ Double, Choice Mixed.....	.10
Gladiolus, Finest Hybrids, Mixed.....	.10	Phlox Drummondii, Choicest Mixed.....	.10
Globe Amaranthus, Mixed.....	.05	“ Star of Quedlinburg, Choicest Mixed.....	.10
Gloxinia Hybrida, Fine Mixed.....	.25	Perilla Nankinensis, Ornamental Foliage Plant.....	.05
Gourds, All Varieties, Mixed.....	.05	Petunia, Single, Large Flowering, Mixed.....	.10
Gourds, Nest Egg.....	.05	“ Double, Large Flowering, Fringed,	
Godetia, Finest Mixed.....	.05	Mixed.....	.50
Gypsophila, Elegans, Finest Mixed.....	.05	Primula, Finest Mixed, Single.....	.25
		“ “ Fringed, Single.....	.50
Helianthus—Sunflower—Double.....	.05	Poppy, Danebrog, Large Single Flowers,	
“ “ Large Russian.....	.05	Scarlet with White Cross.....	.10
Helichrysum—Eternal Flower—Mixed.....	.05	“ Umbrosum, Single, Crimson with	
Heliotrope, Finest Mixed.....	.10	Black Blotch.....	.10
Hollyhock, Double, Finest Mixed.....	.10	“ Shirley, All Colors Mixed.....	.10
Honesty—Satin Flower.....	.05	“ Double, Mixed Colors.....	.05
		Pyrethrum, Golden Feather.....	.05
Ice Plant.....	.05		
Ipomopsis, Scarlet and Golden Yellow.....	.10	Rodanthe, Everlasting Flower, Mixed.....	.10
		Ricinus, Castor Oil Bean, Mixed.....	.05
Larkspur, Double, Dwarf Rocket, Mixed.....	.05	Rocket, Sweet, Mixed.....	.05
“ Emperor, Double, Choice “.....	.05		
Lobelia, Crystal Palace, Rich Deep Blue.....	.10	Salvia, Flowering Sage, Scarlet.....	.10
“ Gracilis, Light Blue.....	.05	Salpiglossis, Large Flowering, Mixed.....	.10
Linum—Flowering Flax—Scarlet.....	.05	Saponaria, Bouncing Bet, Mixed.....	.05
		Scabiosa, Mourning Bride, Mixed.....	.05
Marigold, Double African, Tall, Mixed.....	.05	Scarlet Runners, Showy Climbers, Mixed.....	.05
“ “ French, Dwarf “.....	.05	Smilax, Graceful Climber, Mixed.....	.05
“ “ El Dorado, Yellow Shades.....	.05	Stocks, Dwarf German Ten Weeks, Mixed.....	.10
Maurandia, Free-Blooming Climber, Fine		“ Ten Weeks, Double, Pure White, Mixed.....	.10
Mixed.....	.10	“ Ten Weeks, Double, Dark Red, “.....	.10
Mignonette, Sweet-Scented.....per oz., 15c.	.05	“ Ten Weeks, Giant Perfection, Mixed.....	.10
“ Machet.....	30c. .10	“ Brompton or Winter, Mixed.....	.10
“ Defiance.....	50c. .10	Schizanthus, Butterfly Flower, Mixed.....	.05
Mimosa—Sensitive Plant.....	.05	Sultan, Sweet, All Colors, Mixed.....	.05
Mimulus—Musk Plant.....	.10	Sweet William, Single, Mixed.....	.05
“ —Monkey Flower.....	.10	“ Double, Mixed.....	.10
Mirabilis—Four O’Clock, Fine Mixed.....	.05		
Musa Ensete—Abyssinian Banana.....	.15	Thunbergia, Ornamental Climbers, Mixed.....	.10
Myosotis—Forget-Me-Not, Bright Blue.....	.10		
		Venus’ Looking Glass, Mixed.....	.05
Nierembergia Gracilis.....	.05	Verbena, Mammoth, Mixed.....	.10
Nasturtium, Tall, Choice Mixed.....		Violet, Sweet-scented, Blue.....	.05
“ “ oz., 10c.; lb., \$1.00.....	.05	“ “ White.....	.10
“ Dwarf Mixed.....	.05		
“ Madame Gunter’s Hybrids, All		Whitlavia, Bell-shaped Flowers, Mixed.....	.05
Colors.....oz., 15c.; ¼ lb., 50c.;	.05	Wallflower, Single German, Mixed.....	.05
Nemophila, Beautiful Mixed Varieties.....	.05	“ Double “.....	.10
Nigella, Love in a Mist, Blue and White.....	.05		
Nolana, Fine Mixed.....	.05	Zinnia, Double Dwarf, Mixed.....	.10

LAWNS

A nice Lawn is something everyone wants, but only those can possess who have a plot of ground, a supply of water, and are willing to take the trouble and assume the expense necessary to produce it. The ground intended to be used for a Lawn, whether large or small in area, if not naturally rich, should be covered to a depth of two inches with well-rotted manure. If this is not available, one or other of the bone or guano fertilizers should be used in the proportion of about 800 pounds to the acre. The ground should be turned over to the depth of ten to twelve inches, well pulverized, and raked thoroughly, so that the surface may present a perfectly smooth appearance before seeding. Sow the seed evenly and *plentifully*—for sparse seeding never produced a good lawn in California, and never will. Rake it in, covering the seed as well as possible, and then top-dress the surface about one inch in depth with well-rotted manure. If nature does not furnish the desired moisture, it must be supplied artificially, and this should be done in imitation of a gentle rain, and as often as necessary, sprinkling the entire surface until it is wet. The top-dressing is almost an absolute necessity, as it

greatly protects the seed while in course of germination, and, when germination has taken place, furnishes the stimulus so essential to rapid growth.

When the grass has attained a height of two inches, it should be cut, if possible, with a lawn-mower. Cutting should be kept up at intervals as required. Frequent cutting aids largely in compactness of growth, and should not be omitted.

The best grass for lawn purposes, if water in abundance is obtainable, is what is known as "*Kentucky Blue*," and the highest grade of fresh seed should be procured even at greater cost. *Sixty pounds* of the "*Fancy Clean*" should be sown to an acre, and *eighty pounds* if the quality is not so high.

Fancy Clean Kentucky Blue Grass Seed—25c. per lb.; per 100 lbs., \$17.50.

When only a limited supply of water is available, *Perennial Rye Grass* should be sown. A lawn produced from this seed is, on account of its true green color, preferred by some. Sow of this seed at the rate of *eighty pounds* to the acre.

Perennial Rye Grass Seed—Extra quality, 20c. per lb.; per 100 lbs., \$8.00.

COW PEAS

This is not exactly a Pea, but more properly belongs to the bean family. It is becoming known to the North, also, as a highly valuable fodder and fertilizing crop. It requires a full season to mature in, and can probably be grown as a second crop after wheat in the North. If desired the pods may be harvested for the grain, and the plants plowed under to fertilize the soil. The seed or grain is ground and used for cattle fodder; the stalk and leaves also make excellent fodder, fed green. Poor, sandy land may be greatly improved by plowing under a crop of Cow Peas, and thus made into a fertile loam. Plant in a thoroughly pulverized soil. If wanted to plow under for manure, sow with a grain drill, in drills a foot apart. If grown for fodder or the seed, plant three and a-half feet apart and cultivate thoroughly. The seed must not be sown until the soil has become thoroughly warm.



Kaffir Corn

KAFFIR CORN

This new variety of Sorghum forms low, stocky and perfectly erect plants, which produce 2 to 4 heads of grains on a single stalk, and mature about the middle of October. The seed heads grow from 10 to 12 inches long, and good land will produce a crop of 50 to 60 bushels per acre. It resists drought like most Sorghums, and will yield a paying crop of grain and stalks even in dry seasons in which corn has utterly failed on the same lands. The stalks grow from 5 to 6 feet high, and are excellent fodder, much relished by horses, mules and cattle. The seed heads are also greedily eaten by all farm animals. When the stalks are cut down to the ground, two or more new shoots will spring up and continue growing until checked by the frost. It is safe to plant in any latitude where Minnesota Amber Cane grows, and is cultivated like Indian Corn. Pkt., 5c.; lb., 15c.; 100 lbs., \$7.50.

Whippoorwill—A favorite, early bunch-growing variety, has brown-speckled seed, which are more easily gathered than from the vine-growing sorts. This variety is a prime favorite in the North and West on account of its early maturity and habit of growth. Lb., 15c.; 10 lbs., \$1.00.

Red Ripper—The hardiest of all the Vine Peas, and on this account can be sown earlier. In Georgia it is claimed that the seed will lay in the ground all winter and come up in the spring from self-sown seed. The seed is of a beautiful dark-red color, very prolific in yield of seed and growth of vines, and should be more largely grown than at present. Lb., 15c.; 10 lbs., \$1.00.

AUSTRALIAN SALT BUSH

The Forage Plant for Arid and Alkali Soils

(*Atriplex Semibaccatum*)



The Agricultural Department of our State University is certainly a most valuable agency. Incalculable benefits have already resulted to the "tillers of the soil" by the operating of the "Experiment Stations," and to them should be accorded the credit of introducing to the State many things that have proven to be of great value.

Importing, testing and demonstrating the value of **Salt Bush** has been accomplished by this Department at much expense, combined with both care and labor. Lands that hitherto have lain barren and worthless have been rendered productive and valuable. It can scarcely be conceived that alkali soils, coated with their salts as covered by snow, can be changed in their appearance or constituents, yet such is being accomplished most satisfactorily and with little expense by the use of **Salt Bush**. Already thousands of acres of arid and alkali lands have been reclaimed by seeding it to this valuable plant. The transformation has seemingly something of the miraculous about it.

The present season of light rain-fall should set our stockmen to thinking, if not to acting. Had their ranches been seeded to **Salt Bush** there would have been no need to hunt pasture for their sheep and cattle, much less to have suffered the loss which too many have from starvation.

The plant is of neat appearance, not easily injured by tramping, grazing or cutting; its yield is about twenty tons per acre, which loses three-fourths its weight in drying. It remains green all winter, but makes its most rapid growth during hot weather; is a sunshine plant, and does not do well if shaded by trees. One plowing will eradicate it, and there is no question but that it will eliminate the alkali from the ground, rendering it suitable for other crops.

The State University Bulletin, No. 105, sums up the practical advantages of **Salt Bush** in the four following statements:

1. It can be grown successfully on arid and alkali lands.
2. Soils where the percentages of alkali are near the limit of tolerance can no doubt be sensibly relieved by planting the **Salt Bush** and permanently removing each cutting from the land.
3. The yield is very large, about the same as that of Alfalfa and the Flat Pea; and nearly, if not quite, double that of either oat, barley or wheat hay.
4. The composition is, aside from the ash, such as to make it an excellent food for stock; it seems to be readily eaten by them.

DIRECTIONS


The land to be sown should be plowed, and reasonably well pulverized by the harrow or other tool. At least a disc harrow should be used to loosen the soil and give the seeds not only an opportunity to germinate, but the young plants the conditions favorable to become speedily established.

ONE POUND OF SEED IS SUFFICIENT FOR AN ACRE,

if evenly scattered over the surface. The seed should be mixed with ten times its weight of sand or ashes to facilitate its distribution. Sow the seed in the Fall or Spring (Winter sowing is not desirable), before a rain if possible, on well pulverized soil, and cover it lightly (about one-eighth of an inch) with a light harrow or bush. If desired, plants may be grown by sowing the seed in boxes or garden bed, covering lightly, and planting the seedlings when desired, when from two to three inches high, six to seven feet apart. If the weather is dry when transplanting, supply a little water to each plant.

Price of Salt Bush Seed—Per pound, \$2.00; per $\frac{1}{4}$ pound, 75c.; per ounce, 20c.

TERMS CASH. Sent by Mail Free of Extra Charge.

HEADQUARTERS FOR SALT BUSH

TRUMBULL & BEEBE

419-421 Sansome St., San Francisco, Cal.



Kittatinny Blackberry

For Description, see Page 4